In the United States Patent and Trademark Office

Applicants: Robert A. Moskovich et al. Examiner: M. Spisich

Serial No.: 10/672,815 Art Unit: 1744

Filing Date: September 26, 2003 Confirmation No.: 8916

For: Flexible Toothbrush Head Attorney Docket No.: 7127-00

DECLARATION UNDER 37 C.F.R. 1.131

Dear Sir:

We, Robert A. Moskovich, and Michael C. Rooney, hereby state as follows:

- $1. \hspace{1.5cm} \text{We are co-inventors of pending claims 1-8 of the above identified patent} \\ \text{application.}$
- The invention of independent claim 1 was reduced to practice prior to March 17, 2003, as evidenced by the following attached documents:
 - a. An Invention Record (attached as Exhibit A), the dates included therein having been redacted, which shows the reduction to practice of a head for use with a toothbrush having an outer perimeter portion formed of a rigid material, the rigid material being adapted to allow the head to be sonically welded; and a tuft field positioned within the outer perimeter portion and being formed of a flexible elastomer, with the tuft field defining one or more apertures to receive one or more bristle tufts, and the head being adapted to be sonically welded into place in a toothbrush, as required by independent claim 1.
 - b. A drawing (attached as Exhibit B) of a head having a flexible elastomer tuft field with apertures defined therein, and a rigid outer perimeter.
 - c. A drawing (attached as Exhibit C) of a head having a flexible elastomer tuft field with apertures defined therein and bristles inserted into the apertures, and a rigid outer perimeter.

- d. A drawing (attached as Exhibit D) of a head having a flexible elastomer tuft field with apertures defined therein and bristles inserted into the apertures, and a rigid outer perimeter, the rigid outer perimeter being secured to a toothbrush.
- The date of the Invention Record (Exhibit A) and the date of the three drawings of Exhibits B, C, and D are all prior to the March 7, 2003 priority date of U.S. Patent No. 6,988,777 to Pfenniger.
- 4. We hereby declare further that all statements made herein of our own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine and/or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statement may jeopardize the validity of this application or any patent resulting therefrom.

Robert A Moskovich	01.23.2007 Date
Michael C. Rooney	Date

- d. A drawing (attached as Exhibit D) of a head having a flexible elastomer turf field with apertures defined therein and bristles inserted into the apertures, and a rigid outer perimeter, the rigid outer perimeter being secured to a toothbrush.
- The date of the Invention Record (Exhibit A) and the date of the three drawings of Exhibits B, C, and D are all prior to the March 7, 2003 priority date of U.S. Patent No. 6,988,777 to Pfenniger.
- 4. We hereby declare further that all statements made herein of our own knowledge are true and that statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine and/or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that any such willful false statement may jeopardize the validity of this application or any patent resulting therefrom.

Robert A. Moskovich

Michael C Rooney

Michael C. Rooney

Date

Jamery 23, 2007

Invention Recor No. 7121

CD Colgate Palmolive Company

SUMMARY OF THE INVENTION: (What have you done end why do you beliave it is innovative?) no more than 50 words Rigid pleastor materials are being used in the head plates that are sonically weigled to handles in Anchor Free Tutling for the production of toolhorushes. This invention envisions the use of flexible materials to retain the tutls in the head plates.

INVENTOR NAME(S): (Full legal name required, Residence, Title, Citizenship and Date of Birth.)

Robert Moskovich 20 Jensen Street East Brunswick, NJ 08816 US

2/7/56 Mike Rooney 63 Locust Avenue

215 1

63 Locust Avenue Millburn, NJ 07041 US 11/2/61

DETAILED DESCRIPTION OF THE INVENTION: (What problem have your solved? Give experimental results which demonstrate your invention. Include all controls and comparison testing which highlight and show edvantages of your invention over prior art. Negative experiments should be included to demonstrate inventive nature of your positive results.)

In the AFT process, the head plate is typically made from a rigid plastic that is conducive to sonic wedding. The head plate is designed with a solid perimeter and then hea is allof of variously shaped and state holes within this perimeter. Filter for the tuts are then placed in the holes in the field end the backs melled. This tutled plate is then inserted into the head portion of the handle and springly welled into place. It is then end-rounded and packaged similar to tendificial colorburst.

The dasire to make a field of bristle and a foothbush head that will move or flax under normal brushing conditions car utilize the ATT process but with different materials to give a commercially appealing product. One of the issues with utilizing standard elastometric materials to first head plates is that they are unable to be sonically weiged as they absorb and dissipate the vibrational energy during sonic welding.

In this case, the head will consist of a minimum of two materials. The perimeter of the head will consist of a rigid material that I lends itself to be sorically welded such as polynogylene. The tuff led will be made of a flexible elseisomer (96 shore A or less) that allows the field to move or flex under pressure. Thus by designing the head plate end the handle in such a manner to add with buff field to move, normal brushing conditions will cause both the tuffes and the elastometic field to move.

PRIOR WRITTEN DOCUMENTS: (List all patents, publications, manufacturer's literature, etc. to which you have personal knowledge and which you believe, as a reasonable investigating scientist, is material (pertinent) to your invention. Please provide cooles of all oublications and manufacturer's literature).

EARLIEST CONCEPTION DATE: (When did you first think of the invention? Give the date and place where first written statement of the invention appears.)

EARLIEST DATE OF DISCLOSURE TO OTHERS: (State to whom and when, Provide a written record and date if available.)

Bruce M. Russell, Yuri Moskovich, Alan Sorrentino,

DATE OF EARLIEST SKETCH, DRAWING, SCHEMATIC COMPOUND, FORMULATION, ETC.: (Attach original or photocopy thereof. If same as "Earliest Conception Date" or "Earliest Date of Disclosure to Others" please state.)

EARLIEST DATE AND PLACE OF RECOTION TO PRACTICE: (Actual working of invalid no flor example, the preparation of formulation, making of apparatus, etc.). ... va place, date and witness if available. Also first date of witnessed experiment if hitted examinent is not witnessed. Include all notebook and page numbers.)

Sample Tipe only plates mad and utilided at Boucherie.

This invention is understood by the undersigned who have witnessed the signature(s) of the inventor(s):

SIGNATURE(S) OF INVENTOR(S):

Dale: ___

Signature: Horaco Moskovich

Date:

Signature: Muchael (Roomy

Print Name: MICHAEL C. ROONEY

SIGNATURE(S) OF WITNESS(ES):

Date:

Signature: Orania /. /acutto

Date:

Print Name:

SORRENTINO

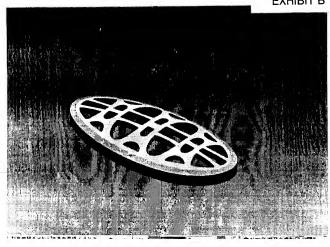


EXHIBIT C

